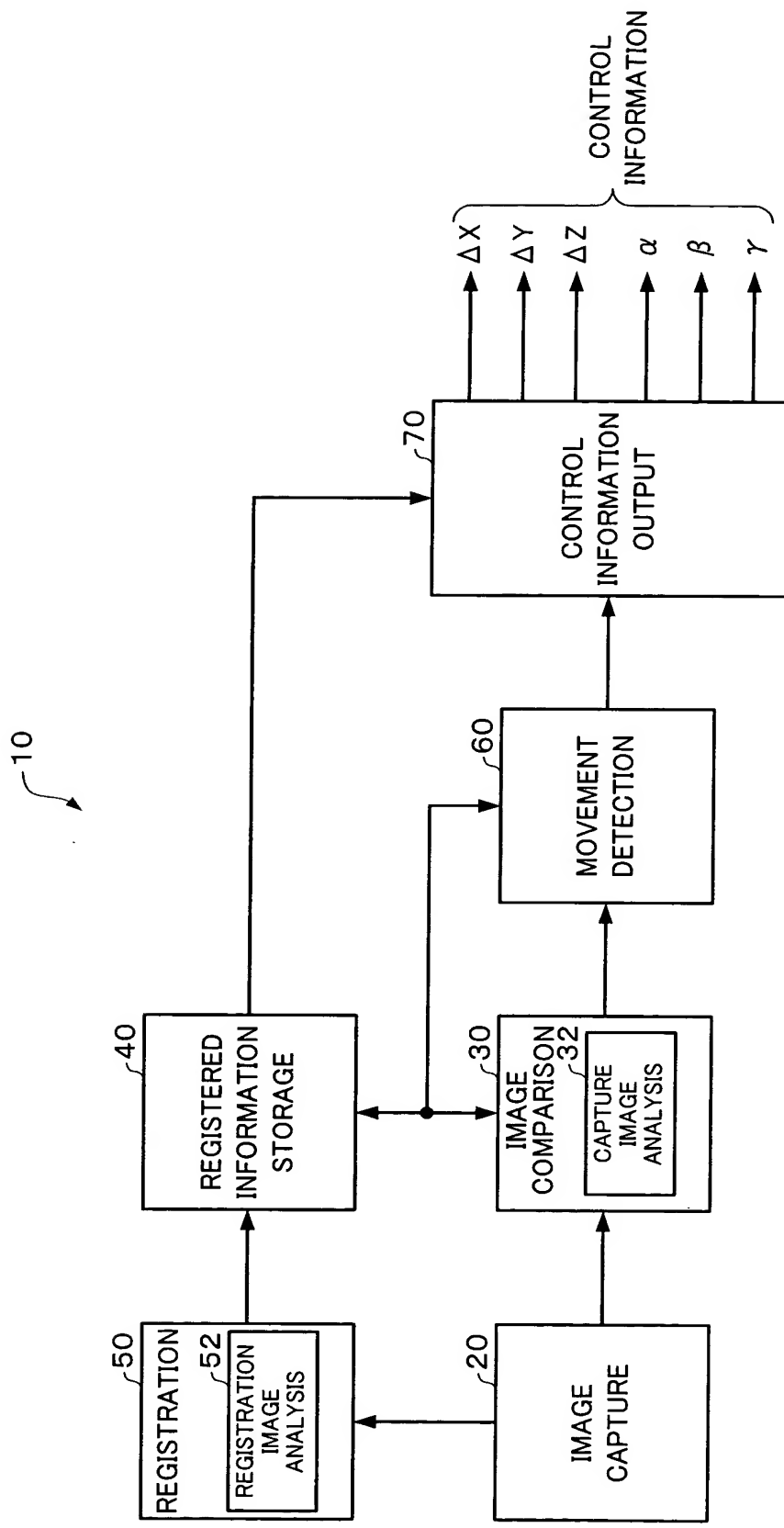


FIG. 1



**FIG. 2**

| PARAMETER TYPE   | REGISTERED INFORMATION        |
|------------------|-------------------------------|
| FIRST PARAMETER  | FIRST REGISTERED INFORMATION  |
| SECOND PARAMETER | SECOND REGISTERED INFORMATION |
| ⋮                | ⋮                             |

FIG. 3

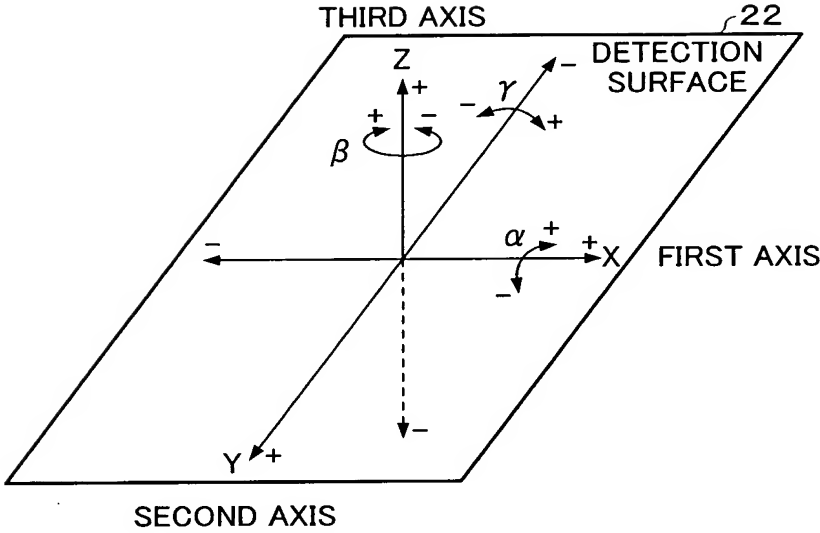


FIG. 4

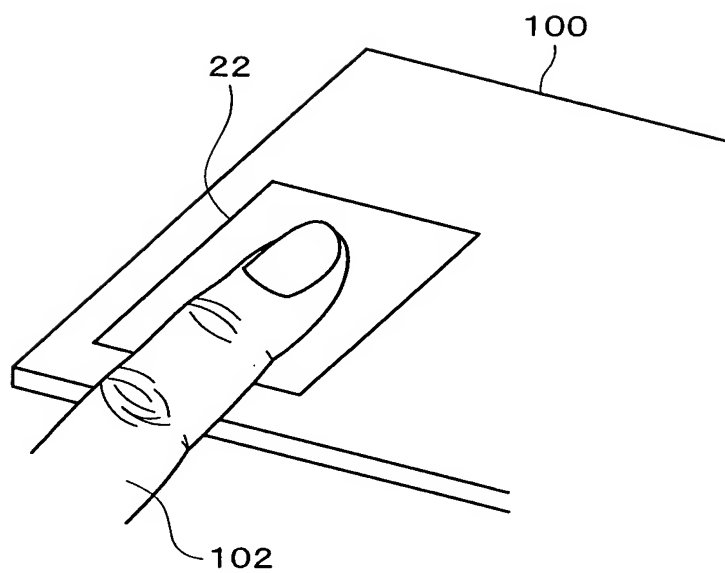


FIG. 5

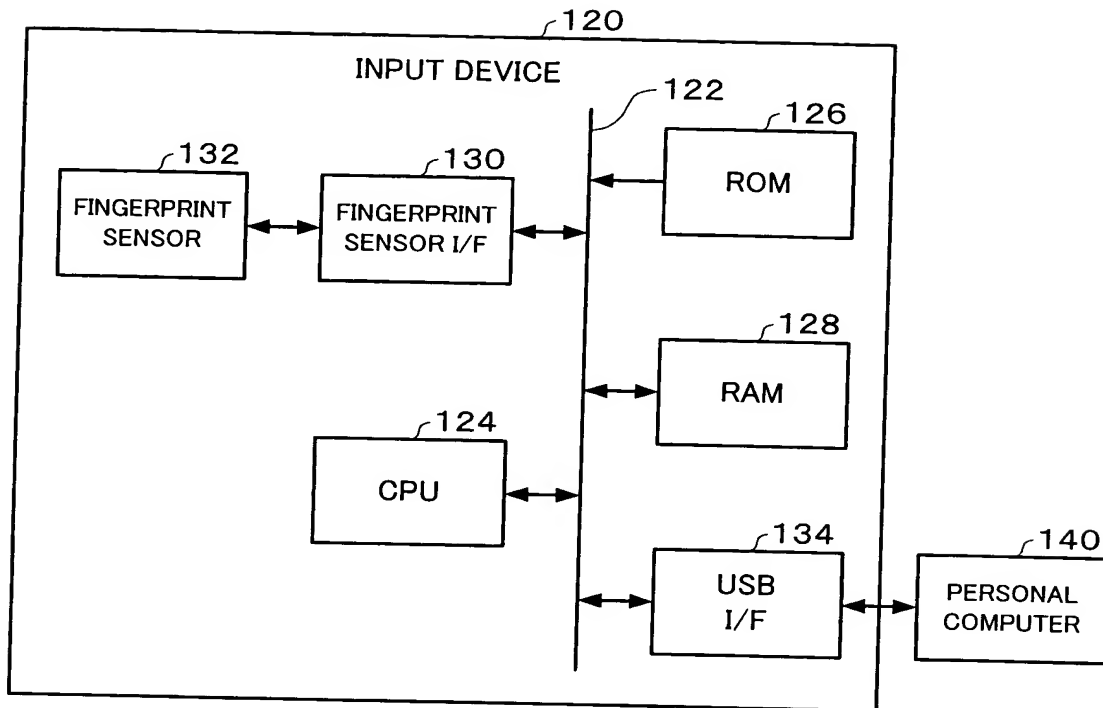




FIG. 7

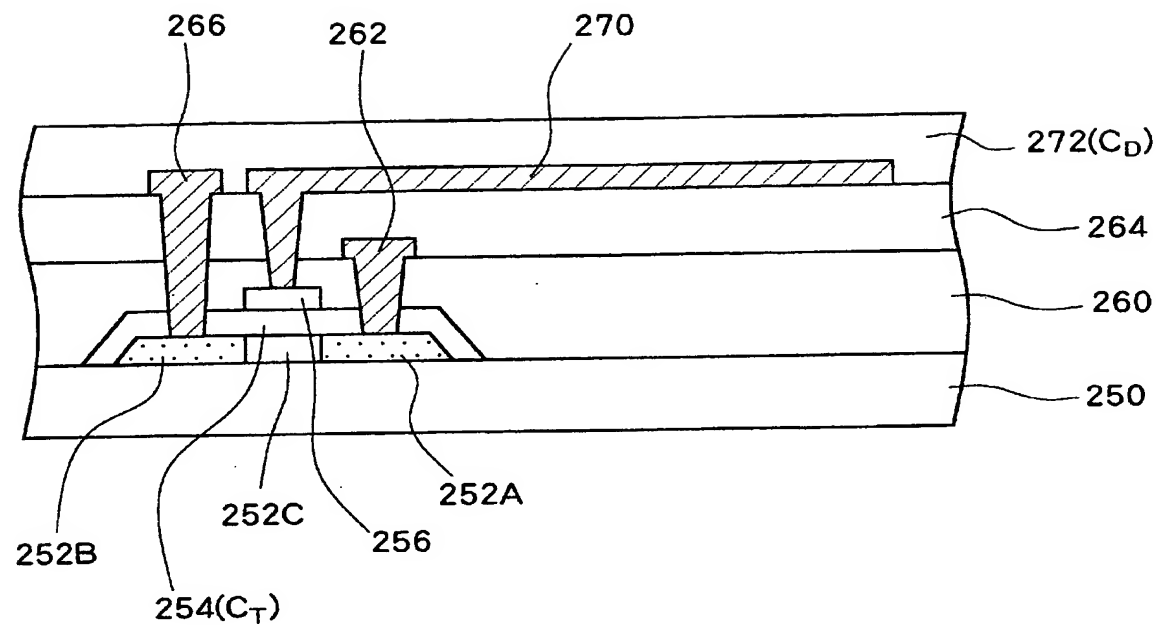


FIG. 8

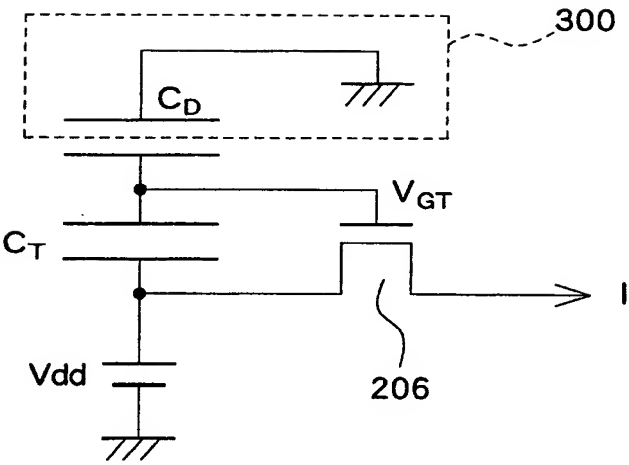




FIG. 9

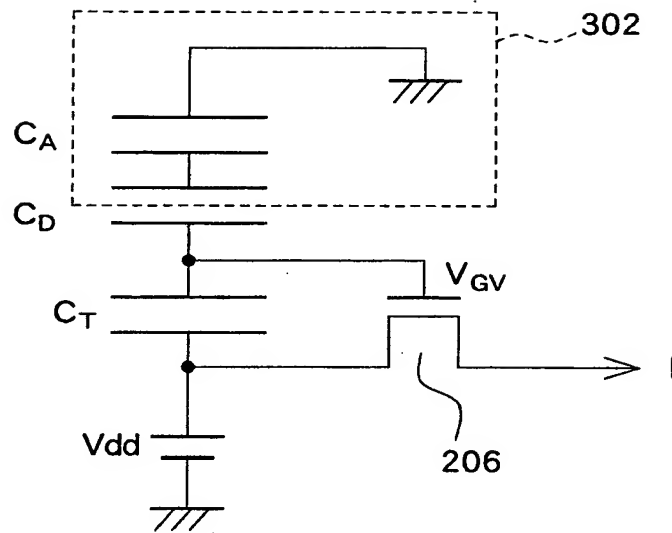


FIG. 10A

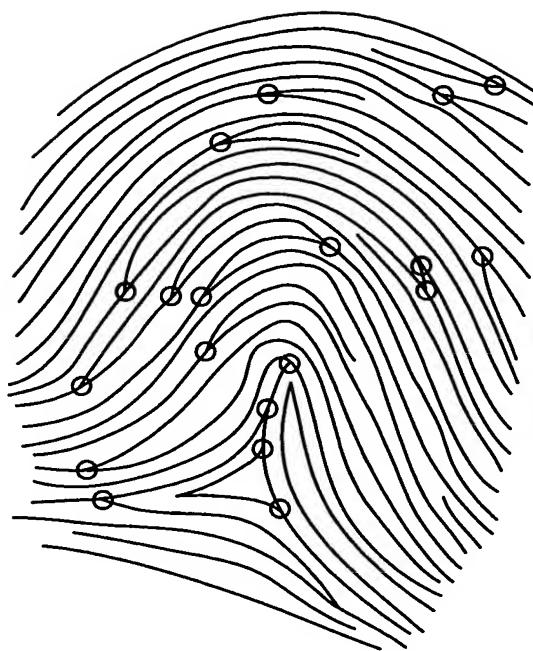


FIG. 10B

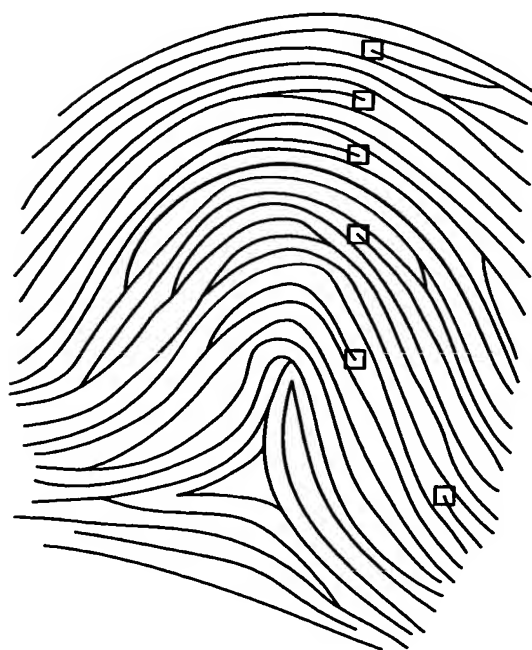


FIG. 11

| PARAMETER TYPE   | REGISTERED INFORMATION   |
|------------------|--|
| $X, Y$           | FEATURE POINT INFORMATION OF FINGERPRINT<br>IMAGE OF FOREFINGER (FIRST FEATURE POINT<br>INFORMATION)             |
| $Z, \beta$       | FEATURE POINT INFORMATION OF FINGERPRINT<br>IMAGE OF MIDDLE FINGER (SECOND FEATURE<br>POINT INFORMATION)         |
| $\alpha, \gamma$ | FEATURE POINT INFORMATION OF FINGERPRINT<br>IMAGE OF THIRD (OR RING) FINGER (THIRD<br>FEATURE POINT INFORMATION) |

FIG. 12

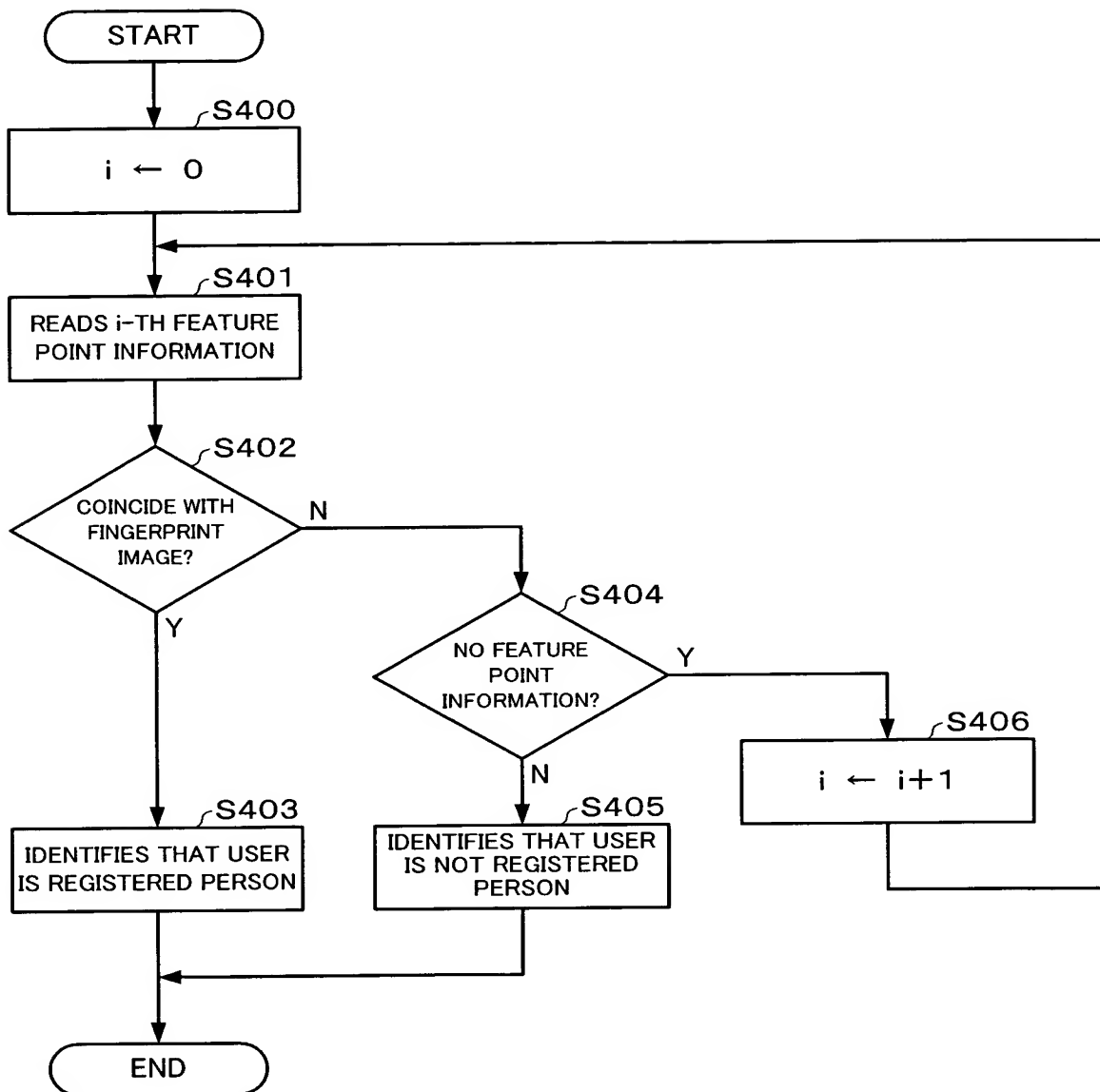


FIG. 13

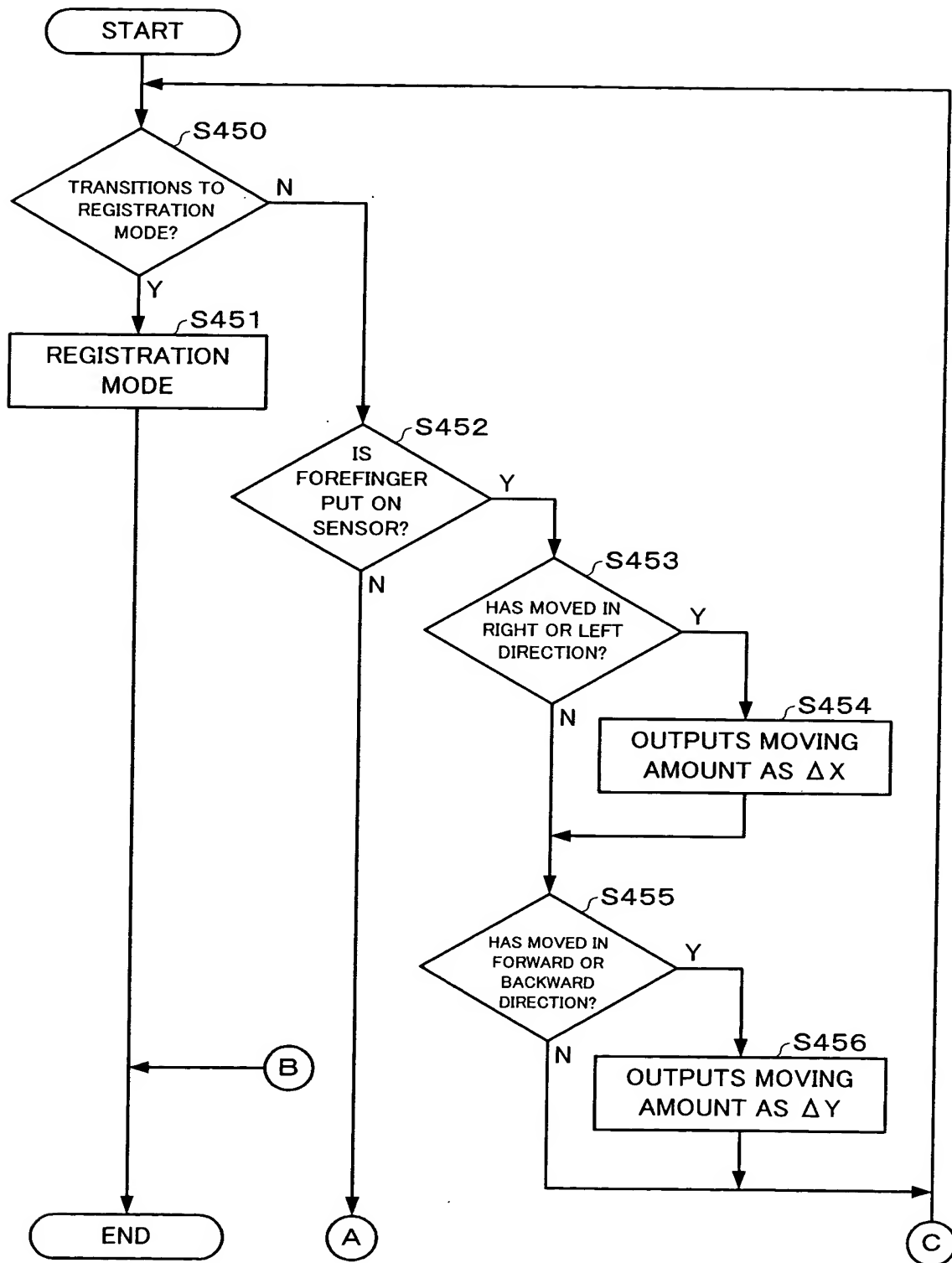


FIG. 14

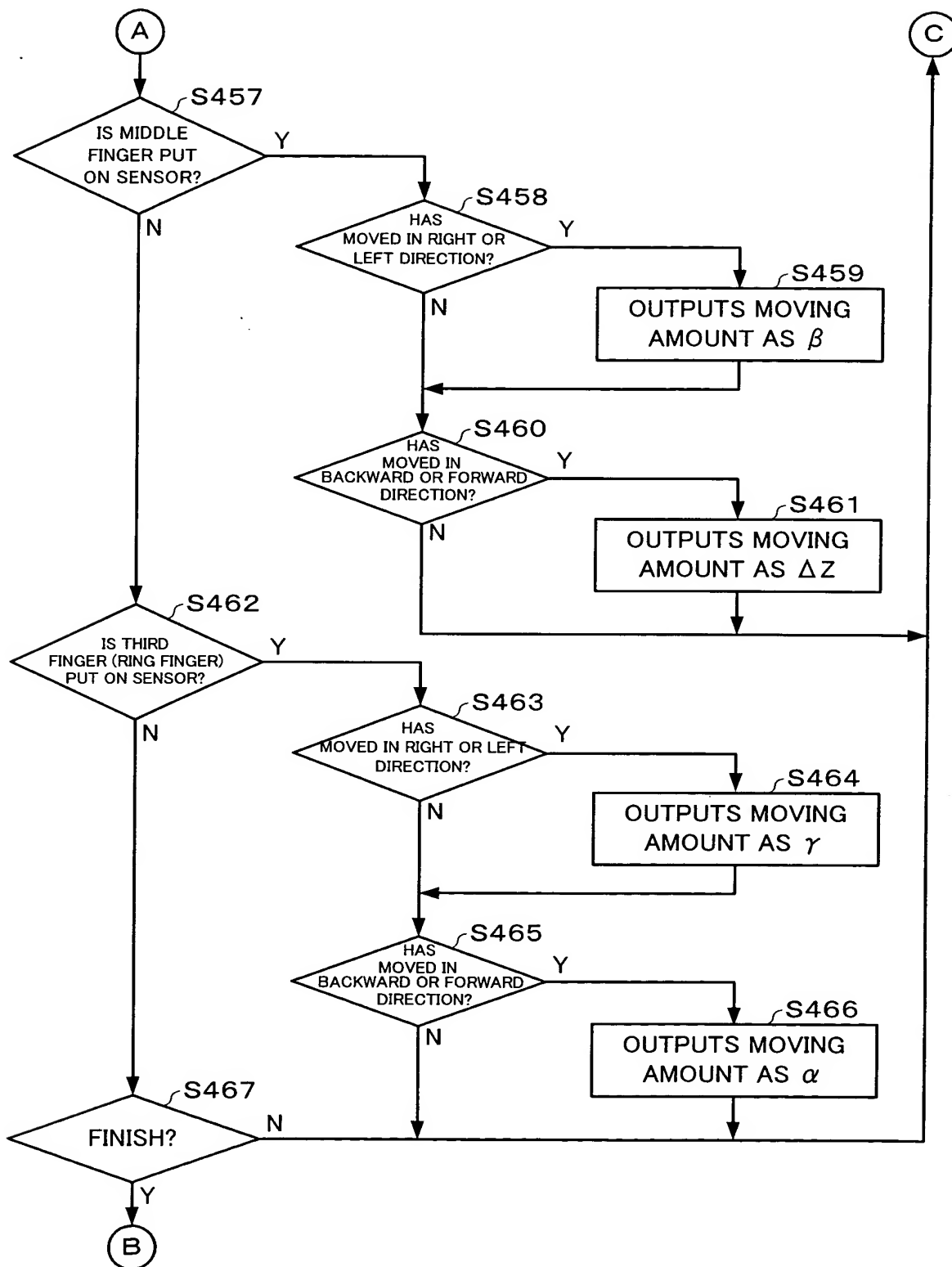


FIG. 15

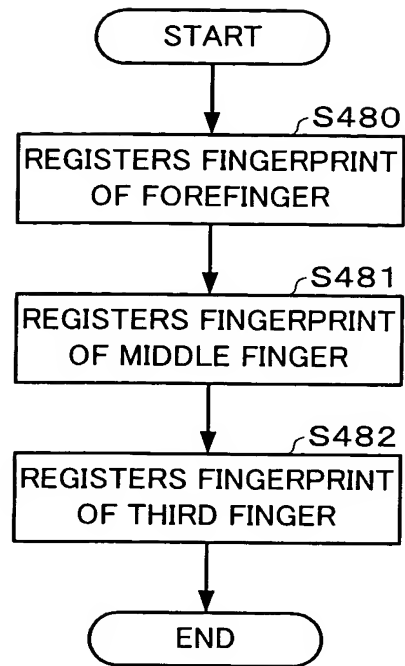


FIG. 16

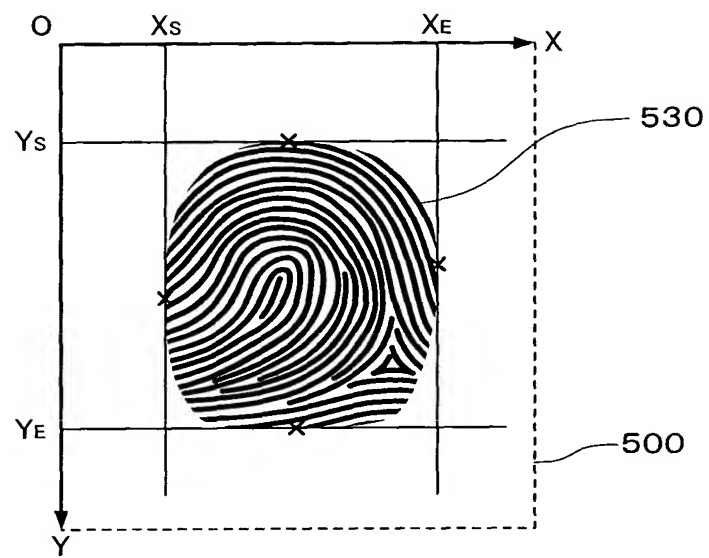




FIG. 17

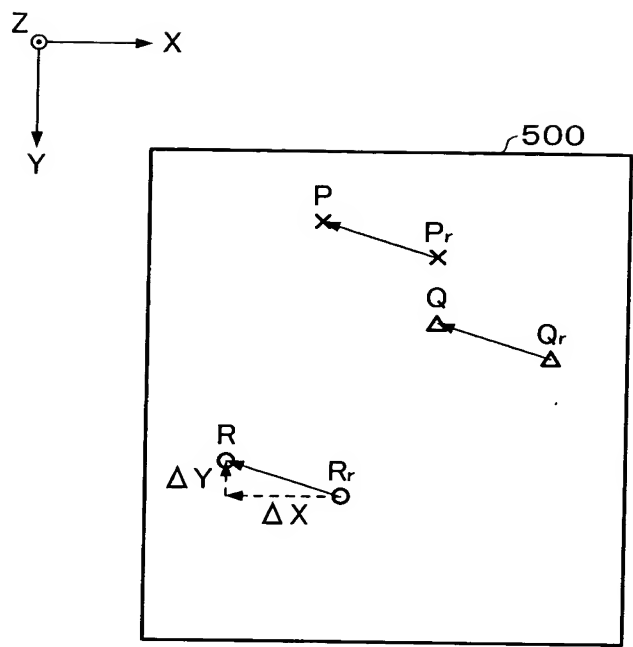


FIG. 18

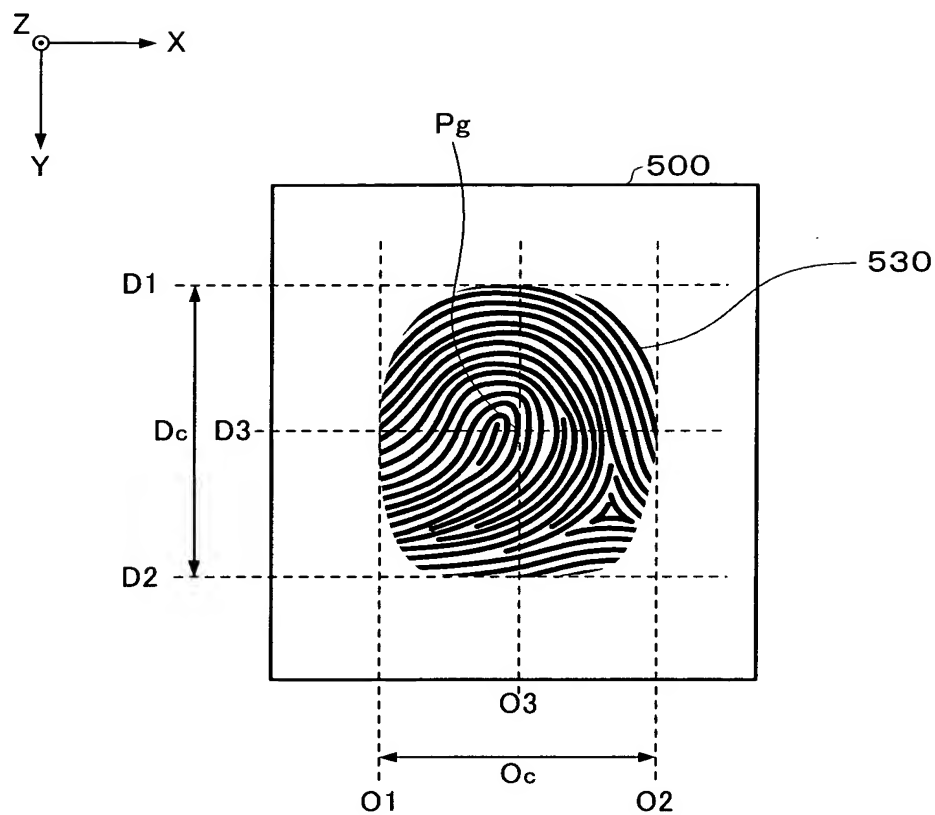


FIG. 19

| PARAMETER TYPE   | REGISTERED INFORMATION  |
|------------------|---|
| $X, Y$           | FEATURE POINT INFORMATION OF FINGERPRINT IMAGE OF FOREFINGER OF USER A    |
| $Z, \beta$       | FEATURE POINT INFORMATION OF FINGERPRINT IMAGE OF MIDDLE FINGER OF USER A |
| $\alpha, \gamma$ | FEATURE POINT INFORMATION OF FINGERPRINT IMAGE OF THIRD FINGER OF USER A  |
| $X, Y$           | FEATURE POINT INFORMATION OF FINGERPRINT IMAGE OF FOREFINGER OF USER B    |
| $Z, \beta$       | FEATURE POINT INFORMATION OF FINGERPRINT IMAGE OF MIDDLE FINGER OF USER B |
| $\alpha, \gamma$ | FEATURE POINT INFORMATION OF FINGERPRINT IMAGE OF THIRD FINGER OF USER B  |
| $X, Y$           | FEATURE POINT INFORMATION OF FINGERPRINT IMAGE OF FOREFINGER OF USER C    |
| $Z, \beta$       | FEATURE POINT INFORMATION OF FINGERPRINT IMAGE OF MIDDLE FINGER OF USER C |
| $\alpha, \gamma$ | FEATURE POINT INFORMATION OF FINGERPRINT IMAGE OF THIRD FINGER OF USER C  |

FIG. 20

